Appl. No. 10/080,994
Amdt. Dated December 12, 2005
Reply to Office Action of September 20, 2005

Attorney Docket No. 81784.0250
Customer No.: 26021

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. and 2.   (Cancelled)

3.   (Currently Amended): A method for recording/reproducing comprising:

controlling the recording of a recording signal from a moveable recording position onto a disk so that the recording signal is recorded onto the disk at a constant linear speed;

determining whether or not the recording position is moved to a changeable position in which the linear speed can be changed to a higher speed;

interrupting the recording of the recording signal onto the disk when it is determined that the recording position reaches the changeable position, reproducing the signal writing on the disk before resuming a reproducing/recording operation, ~~and~~ detecting the recording properties of the disk based on ~~the reproduced~~ a signal ~~in order to set the linear speed~~ reproduced at a speed before the rotation speed is changed, and reproducing data recorded immediately before the recording of the recording signal onto the disk is interrupted and detecting the recording properties based on the reproduced signal;

resuming the recording operation after the linear speed is changed to the higher speed if the detected recording properties are satisfactory; and

resuming the recording operation while a low linear speed is maintained if the detected recording properties are unsatisfactory.

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4.   (Previously Presented): The recording/reproducing method according to claim 3, further including setting the linear recording speed when recording is resumed in accordance with the detected recording properties.

5.   (Previously Presented): The recording/reproducing method according to claim 3, further including setting the linear recording speed when recording is resumed in accordance with the recording properties detected based on the reproduced signal reproduced at the linear speed at the time of interruption of recording.

6.   (Previously Presented): The recording/reproducing method according to claim 5, further including setting the linear recording speed to a speed higher than the linear speed at the time of interruption of recording and of resuming a recording operation, when the detected recording properties fulfill predetermined criteria.

7.   (Previously Presented): The recording/reproducing method according to claim 5, further including resuming a recording operation without changing the linear recording speed, when the detected recording properties fulfill predetermined criteria.

8.   (Previously Presented): The recording/reproducing method according to claim 5, further including reducing the linear recording speed and resuming a recording operation, when the detected recording properties do not meet predetermined criteria.

9.   (Previously Presented): The recording/reproducing method according to claim 5, further including lowering the linear recording speed and resuming a

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recording operation, when the detected recording properties indicate that reproduction is not possible.

10.   (Previously Presented): The recording/reproducing method according to claim 3, further including comparing recording property data detected at a previous point of change of linear recording speed with current recording property data to detect the recording properties.

11.   (Previously Presented): The recording/reproducing method according to claim 10, further including setting the linear recording speed for resumption of recording based on a difference between the recording property data detected at the previous change time of the linear recording speed and the current recording property data.

12. – 22. (Cancelled)

23.   (Currently Amended): A method for recording/reproducing comprising:
        temporarily storing a recording signal in a buffer;
        controlling the recording of a recording signal from a moveable recording position onto a disk so that the recording signal is recorded onto the disk at a constant linear speed;
        determining whether or not the recording position is moved to a changeable position in which the linear speed can be changed to a higher speed;
        interrupting the recording of the recording signal onto the disk when it is determined that the recording position reaches the changeable position, reproducing the signal writing on the disk before resuming a reproducing/recording operation, and detecting the recording properties of the disk based on the reproduced a signal in order to set the linear speed reproduced at a speed before the

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<u>rotation speed is changed, and reproducing data recorded immediately before the recording of the recording signal onto the disk is interrupted and detecting the recording properties based on the reproduced signal</u>;

resuming the recording operation after the linear speed is changed to the higher speed if the detected recording properties are satisfactory; and

resuming the recording operation while a low linear speed is maintained if the detected recording properties are unsatisfactory.

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